dlc 96000439
(cont.)

X Collection

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Barcode Number	Box Number	Total of Volumes	Call Number
LIBRARY OF CONGRESS 0 029 767 400 6	1938 (1 BOX)	3	TH443–TH900
	1939 (1 BOX)	9	TH1065–TH5561
LIBRARY OF CONGRESS 0 029 767 401 8	1940	5	TH5606 no.1-5 (1950)
LIBRARY OF CONGRESS 0 029 767 402 A	1941 (1 BOX)	3	TH5606.Z9 no.1-3 (1948-52)
	1942 (1 BOX)	8	TH7201.A5–TH9148
LIBRARY OF CONGRESS 0 029 767 406 7	1945	7	TH9151 no.1-7 (1950-52) *
LIBRARY OF CONGRESS 0 029 767 403 1	1943	100	TH9237.U5 no.1-100 (1920-66)
LIBRARY OF CONGRESS 0 029 767 404 3	1944A	51	TH9237.U5 no.1-51 (1921-60)

* Follows Call # Sequence

X Collection

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Page: 2

Barcode Number	Box Number	Total of Volumes	Call Number
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LIBRARY OF CONGRESS 0 029 767 407 9	1946A	54	TH9237.U5 no. 1-54 (1921-67)
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LIBRARY OF CONGRESS 0 029 767 415 8	1948A	100	TH9237.U5 no. 1-100 (1947-63
LIBRARY OF CONGRESS 0 029 767 416 A	1948B	28	TH9237.U5 no. 101-128 (1964-Undated)

X TH 9237
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SUBJECT 668-a

STANDARD
FOR
ANGLE HOSE VALVES

1921

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.U5

SUBJECT 142

STANDARD
FOR
HORIZONTAL AND VERTICAL ABOVE-GROUND STORAGE TANKS FOR HAZARDOUS LIQUIDS

DECEMBER, 1922

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X-TH923.U5 #4

[illegible]

SUBJECT [illegible]

STANDARD
FOR
DETERMINATION OF FIRE HAZARDS
OF
PASSENGER AUTOMOBILES AND TAXICABS

JANUARY, [illegible]

[illegible]

Underwriters' Laboratories, Inc.

National Board of Fire Underwriters

[illegible] EAST OHIO STREET, CHICAGO [illegible]

X-TH 9237
.US

SUBJECT 275 (d)
STANDARD
FOR
DETERMINATION OF FIRE HAZARDS
OF
COMMERCIAL CARS AND MOTOR TRUCKS

JANUARY, 1924

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10-49

SUBJECT 647A

STANDARD

FOR

KEROSENE STOVES FOR COOKING AND HEATING

AUGUST, 1951

SAFETY CODE REQUIREMENTS

[illegible]

Underwriters' Laboratories, Inc.

National Board of Fire Underwriters

207 EAST OHIO STREET, CHICAGO 11

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.U5

SUBJECT 193
STANDARD
FOR
ALARM VALVES
(Section III)

MARCH, 1927

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TP [illegible]

SUBJECT 297A

STANDARD FOR PORTABLE AUTOMATIC ACETYLENE GENERATORS FOR OXY-ACETYLENE WELDING AND CUTTING SYSTEMS

MARCH, [illegible]

[illegible]

Underwriters' Laboratories, Inc.

[illegible]

National Board of Fire Underwriters

207 EAST OHIO STREET, CHICAGO 11

TH 9237
.U5

B

SUBJECT 7(d)

STANDARD

FOR

1½ AND 2½ GAL. SODA ACID EXTINGUISHERS

MAY, [illegible]

[illegible]

Underwriters' Laboratories, Inc.

[illegible]

[illegible]

National Board of Fire Underwriters

[illegible]

X-TH 9237
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SUBJECT 30
STANDARD
FOR
SAFETY CANS

MAY, 1930

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X-TH 9237
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SUBJECT 865
STANDARD
FOR
OIL BURNERS
FOR INSTALLATION IN STOVES AND RANGES

APRIL, 1932

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SUBJECT 80

STANDARD
FOR
INSIDE TANK EQUIPMENT FOR OIL BURNERS

NOVEMBER, 1934

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X-TH9237.U5 #17

X-TH 9237
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SUBJECT 296

STANDARD
FOR
DOMESTIC OIL BURNERS

MARCH, 1934

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X-TH9237.U5
#18

[illegible]

STANDARD

FOR

OIL BURNING STOVES

[illegible], 193[illegible]

[illegible]

Underwriters' Laboratories, Inc.

[illegible]

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[illegible]

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SUBJECT 79

STANDARD FOR POWER-OPERATED PUMPS AND DISCHARGE-DEVICE ACCESSORY PUMPS

JUNE, 1938

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X-TH 9237
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SUBJECT 912

STANDARD

FOR

HIGHWAY EMERGENCY SIGNALS

SEPTEMBER 1940

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207 EAST OHIO STREET, CHICAGO

PRINTED IN U.S.A.
6-29

X-TH 9237
.U5

Subject 109

STANDARD
FOR
FITTINGS
FOR
AUTOMOTIVE, GAS, HAZARDOUS LIQUID AND REFRIGERATION APPLICATIONS

September 1960

Issued by
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Established by
National Board of Fire Underwriters

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CONGRESS
SERIAL RECORD
JUL 16 1945

STANDARD
FOR
HOLDUP ALARM SYSTEMS

(FOR RESTRICTED DISTRIBUTION)

SUBJECT 636
Second Edition
June, 1945

PRINTED IN U. S. A.

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STANDARD
FOR
UNIT REFRIGERATING SYSTEMS

SUBJECT 207 (C)
EIGHTH EDITION
FEBRUARY, 1946

PRINTED IN U. S. A.

ted in U. S. A.
33-N.Y. 125M 6-45

.H SMALL, PRESIDENT
. WELBORN, SECRETARY
. DUNCAN, TREASURER

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NEW YORK, 161 SIXTH AVE.
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161 SIXTH AVENUE, NEW YORK 13

Subject 512 July 16, 1946

To: Electrical Council of Underwriters' Laboratories, Inc.,
and
Holders of the Standard for Fuse-Holders.

Subject: Revision of Requirements Relating to Dimensions of Cartridge Fuse-Holders.

Accompanying this bulletin is a sticker revision of paragraph 53 of the May, 1943 (third) edition of the Laboratories' Standard for Fuse-Holders. This sticker should be placed over present paragraph 53 on page 13 of your copy of the Standard. The revision, which becomes effective immediately, pertains only to column "G" of the table. Each of thevalues in that column have been reduced 1/8 inch so that this table of fuse dimensions corresponds exactly with a similar table in the Laboratories' Standard for Fuses, the latter having been revised in March, 1945.

It will be noted that the nature of the revision is such as to necessitate no changes in fuse-holders which have been in full compliance with the Standard. However, it may be opportune to point out at this time that paragraph 51 of the Standard requires that the design, dimensions, and spacings of a cartridge fuse-holder shall be such that it will properly receive a cartridge fuse of the corresponding rating, made to comply with the dimensional requirements in this table. Inasmuch as the St... issued in May, ... not until the ...at all previously ...rement which was ... that since the ...ll soon be in- ... is suggested that ... fuse-holders ... they will comply ...w revised.

3

Electrical Rating		Dimensions of Cartridge-Enclosed Fuses in Inches						
		A	B	C	D	E	F	G
Volts	Amperes	Length Over Terminals	Outside Diameter of Tube	Minimum Length of Ferrules or Blades	Outside Diameter of Ferrules	Thickness of Blades	Width of Blades	Maximum Projection from Axis
250	0–30	2 ±1/32	1/2	1/2	9/16 ±0.006			
	31–60	3 ±1/32	3/4	5/8	13/16 ±0.008			
	61–100	5 7/8 ±1/16		1		1/8 ±0.003	3/4 ±0.035	3/4
	101–200	7 1/8 ±1/16		1 3/8		3/16 ±0.003	1 1/8 ±0.035	1
	201–400	8 5/8 ±3/32		1 7/8		1/4 ±0.003	1 5/8 ±0.035	1 1/4
	401–600	10 3/8 ±3/32		2 1/4		1/4 ±0.003	2 ±0.035	1 1/2
600	0–30	5 ±1/32	3/4	1/2	13/16 ±0.008			
	31–60	5 1/2 ±1/32	1	5/8	1 1/16 ±0.008			
	61–100	7 7/8 ±1/16		1		1/8 ±0.003	3/4 ±0.035	7/8
	101–200	9 5/8 ±1/16		1 3/8		3/16 ±0.003	1 1/8 ±0.035	1 1/8
	201–400	11 5/8 ±3/32		1 7/8		1/4 ±0.003	1 5/8 ±0.035	1 1/2
	401–600	13 3/8 ±3/32		2 1/4		1/4 ±0.003	2 ±0.035	1 3/4

Paragraph 53 revised July, 1946 — Standard for Fuse-Holders

...ORATORIES, INC.

[signature]

...HENER
...cal Engineer

x-TH 9237
U5

[illegible]

STANDARD

TWO

HOSE FOR CONDUCTING GASOLINE

[illegible]

[illegible]

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52

SUBJECT 252 (B)
STANDARD
FOR
HIGH PRESSURE GAS GAUGES

MARCH 1948

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TH 9237
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SUBJECT 136
STANDARD
FOR
PRESSURE COOKERS

MARCH, 194[illegible]

Underwriters' Laboratories, Inc.

National Board of Fire Underwriters

CHICAGO

X-TH 9237
.U5

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SUBJECT 58
STANDARD
FOR
UNDERGROUND STORAGE TANKS

Fourth Edition

APRIL, 1949

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X-TH9237.U5
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STANDARD
FOR
AUTOMOTIVE GLASS-TUBE FUSES

SUBJECT 275(B)

Third Edition

July, 1950

PRINTED IN U.S.A.

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STANDARD

FOR

CLEARANCE, MARKER, AND IDENTIFICATION LAMPS

FOR

MOTOR VEHICLES

SUBJECT 275(E)

Second Edition

July, 1950

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STANDARD

FOR

BUSWAYS AND

ASSOCIATED FITTINGS

SECOND EDITION
NOVEMBER, 1950

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STANDARD
FOR
DIRECTION-SIGNAL SYSTEMS
FOR
AUTOMOTIVE VEHICLES

SUBJECT 919

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STANDARD FOR PIPE UNIONS

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SUBJECT 860
SECOND EDITION
JULY, 1950

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STANDARD

FOR

PRESSURE REGULATORS OR REDUCING VALVES

SUBJECT 252(c)

Second Edition

May, 1951

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STANDARD FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS

SUBJECT 263
Fifth Edition
November, 1951

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STANDARD

FOR

SWING CHECK VALVES

(Regular Type)

SUBJECT 312

SECOND EDITION

SEPTEMBER, 1951

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STANDARD

FOR POWER-OPERATED INDUSTRIAL TRUCKS (ELECTRIC BATTERY-POWERED AND GASOLINE-POWERED)

SUBJECT 583
Second Edition
March, 1951

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STANDARD

FOR

RAG-FELT ROOF COVERING MATERIALS FOR USE IN CONSTRUCTION OF BUILT-UP ROOF COVERINGS

SUBJECT 55(A)

SEVENTH EDITION

NOVEMBER, 1951

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27
51

Subject 62 ER

February 15, 1951

EMERGENCY REQUIREMENT

FLEXIBLE CORD AND FIXTURE WIRE

The following supersedes Emergency Requirement on Flexible Cord and Fixture Wire dated May 24, 1946. This issue includes all emergency requirements applicable to this classification which have been issued to date and which are still in effect.

The following emergency requirements are now in effect, and will continue to be in effect for the duration of the National Emergency or until further notice as a temporary departure from the October, 1935 edition of Underwriters' Laboratories, Inc., Standard for Flexible Cord and Fixture Wire. Items marked (R) in this issue are revised.

GENERAL

Unless otherwise noted, features covered by these emergency requirements need not be submitted to the Electrical Department of Underwriters' Laboratories, Inc., for review before being incorporated in labeled flexible cord and fixture wire, but will be checked by the Laboratories' inspectors as a part of the Factory Inspection and Label Service program.

(R) PARAGRAPHS 23-24

In lieu of the values for the length of lay of copper strands given in these paragraphs in the Standard, the Laboratories will accept the following maximum values for rubber-jacketed cords.

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STANDARD
FOR
AUTOMOTIVE GLASS-TUBE FUSES

SUBJECT 275(B)

Fourth Edition

February, 1952

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Subject 4

February 29, 1952

To: Holders of the Standard for Armored Cable.

Subject: Revisions of the Standard.

No adverse comments were received concerning the proposals given in our bulletin of December 5, 1951, for revising the above-mentioned Standard; accordingly, the proposed amendments have been adopted.

Sticker inserts giving the new material for the Standard have been prepared, and copies of these are attached. Please note that the sticker for paragraph 22 supersedes existing paragraph 22 in its entirety, whereas the stickers for paragraphs 28, 37, and 38 supplement, rather than supersede, the correspondingly numbered existing paragraphs.

Although the proposals in our bulletin of December 5, 1951, referred to conductors with glass braids, it has been concluded that the same figures should apply to conductors provided with glass wraps. The texts on the stickers have been modified accordingly.

Please separate the attached stickers at the perforated lines and insert each of them at its proper place in your copy of the Standard.

UNDERWRITERS' LABORATORIES, INC.

H. B. Smith

H. B. SMITH
Standards Engineer

'RN. PRESIDENT H. F. DUNCAN, TREASURER

Underwriters' Laboratories, Inc.

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Except as noted in the following paragraph, an insulating barrier or used as the sole separation between uninsulated live-metal parts grounded dead-metal parts (including the enclosure) or between sulated live-metal parts of opposite polarity, shall be of material of a which is suitable for the mounting of uninsulated live-metal parts not less than 1/32 inch in thickness (minimum 0.028 inch).

Fiber not less than 1/32 inch in thickness may be used as the sole ration between the enclosure and an uninsulated metal part electric- connected to a grounded circuit conductor.

Except as noted in the following paragraph, an insulating barrier or r which is used in addition to an air space in lieu of the required cing through air shall be not less than 1/32 inch in thickness. If the rier or liner is of fiber, the air space shall be not less than 1/32 inch, if the barrier or liner is of other material of a type which is not suitable the support of uninsulated live-metal parts, the air space to be pro- ed shall be determined by means of a special investigation.

rrier or liner which is used in addition to not less than one-half required spacing through air may be less than 1/32 inch but not less n 1/64 inch (minimum 0.013 inch) in thickness provided that the rier or liner is of material of a type which is suitable for the mounting uninsulated live-metal parts, of adequate mechanical strength if ex- sed or otherwise liable to be subjected to mechanical injury, reliably ld in place, and so located that it will not be affected adversely by opera- n of the equipment in service.

Insulating material having a thickness less than that indicated in ragraphs 101, 101B, and 101C may be used if it is made the subject of ecial investigation and found to be suitable for the particular application.

agraph 101 revised and paragraphs 101A – 101D added April, 1952 — Standard for Industrial Control Equipment

1 22, 1952

al Control

January 25, 1952,
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hs 101A-101D,

t the proper place

BORATORIES, INC.

SMITH
Standards Engineer

L. VICE CHAIRMAN
ELBORN, PRESIDENT

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5 Copy 5 13 52

.bject 198 April 30, 1952

): Holders of the Standard for Fuses.

ıbject: Time-Delay Fuses.

In accordance with the Laboratories' bulletin letters ' November 29, 1951 and February 4, 1952, the Standard for Fuses ıs been revised by the addition of two new paragraphs which con- ıin the requirements for the overload blowing and the marking : time-delay fuses. Please separate the attached stickers and ısert them in their proper places in your copy of the Standard.

These new requirements become effective forthwith, and ıy anufacturer desiring recognition of plug fuses by the ıboratories as time-delay fuses should submit samples for ıvestigation in the usual way.

UNDERWRITERS' LABORATORIES, INC.

H B Smith

H. B. SMITH
Standards Engineer

›A A plug fuse having a current rating within the range of 15 – 30 amperes, inclusive, and designated as a time-delay fuse (see paragraph 75A) shall blow in not less than twelve seconds when carrying 200 percent of its rated current and tested in accordance with the following paragraph.

Paragraph 59A added April, 1952 — Standard for Fuses

›A A plug fuse designated as a time-delay fuse shall be marked with the words "time delay" so located that they will be visible when the fuse is installed in a standard type of fuseholder.

Paragraph 75A added April, 1952 — Standard for Fuses

MISCELLANEOUS PRINTED MATTER

X-TH0224.05
377 FF

[...]al

In addition to the soft-annealed copper mentioned in paragraph 2, [...]. 12 Awg and larger conductors may employ aluminum, provided it is the electrical-conductivity grade. No. 8 Awg and smaller solid con[du]ctors shall employ semi-annealed aluminum. No. 6 Awg and larger [sol]id conductors and all sizes of stranded conductors may employ either [se]mi-annealed or hard-drawn aluminum. Semi-annealed aluminum shall [ha]ve a tensile strength within the range of 17,000–22,000 pounds per [sq]uare inch.

Paragraph 6A added April, 1952 — Standard for Thermoplastic-Insulated Wires

Physical Properties of Thermoplastic Insulation after Aging

Air-Oven Accelerated Aging	Oven Temperature		99–101 C
	Time		168 hours
	Minimum percentage of results on unaged sample	Elongation	65*
		Tensile Strength	65

* For a No. 6 Awg or larger wire, where buffed die-cut specimens are used, elongation after aging may be less than 65 percent but not less than 45 per[cen]t of original.

Paragraph 28 revised April, 1952 — Standard for Thermoplastic-Insulated Wires

Optional Spark Test

107 In lieu of the dielectric-strength and insulation-resistance test [de]scribed in paragraphs 76–106 and 163–165 (tests on 100 percent pr[oduc]tion), a partial substitution of spark testing may be employed for the [...] Awg and smaller sizes of Types T and TW single-conductor, 600-[vol]t [...] under either Plan A or Plan B (but *not* both) as described below [...] that the test equipment and procedure are in full compliance wit[h the] following paragraphs and involve no objectionable features.

Plan A

108 If all finished Type T or TW wire of a size not larger than No. 6 passes a 6000-volt spark test, the period of immersion of that wire fo[r the] regular dielectric-strength and insulation-resistance tests may be [...] hours instead of twelve hours.

Plan B

109 If all finished Type T or TW wire of a size not larger than No. 6 passes a 7500-volt spark test, only ten percent of that wire need be [sub]jected to the regular dielectric-strength and insulation-resistance t[ests] provided that the ten percent tested is immersed for the full twelve-[hour] period.

Paragraphs 107–109 revised April, 1952 — Standard for Thermoplastic-Insulated Wi[res]

125A **If a wire or cable employs aluminum in lieu of copper, the Awg [size] of the conductor, wherever it appears (on tags, reels, or the surface o[f the] product), shall be followed by the word "ALUMINUM" or the le[tters] "AL."**

Paragraph 125A added April, 1952 — Standard for Thermoplastic-Insulated Wires

Paragraph 176 deleted April, 1952 — Standard for Thermoplastic-Insulated Wires

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Subject 496 May 9, 1952

To: Holders of the Standard for Edison-Base Lampholders.

Subject: Revision of the Standard.

Further consideration of the question of aluminum screw-shells has led the Laboratories to the conclusion that the single-asterisk footnote in the table in paragraph 82 of the Standard should be revised to eliminate the minimum tensile-strength value and to give additional particulars concerning the chemical composition of the aluminum alloy. This modification is more in the nature of a refinement than an alteration of the requirement in question, and it is not expected that it will necessitate any change in the alloys now being used.

Accordingly, a sticker insert giving the revised text of this footnote has been prepared, and a copy of this sticker is attached; it becomes effective forthwith. Please insert it in place of the existing sticker on page 14 of your copy of the Standard.

UNDERWRITERS' LABORATORIES, INC.

H. B. Smith

H. B. SMITH
Standards Engineer

* A suitable aluminum alloy is acceptable for the screw shells of lampholders except those of the weatherproof and refrigerator types and those employed in wet locations such as outdoor types of electric signs and certain outdoor types of electric fixtures. An aluminum alloy for use in a screw shell is required to be a wrought alloy employing manganese and/or magnesium as the principal alloying material (with the possible addition of chromium), and containing not more than 1.5 percent of iron and silicon combined and not more than one percent of all other normal impurities of aluminum (including a maximum of 0.2 percent of copper).

Single asterisk note in table in paragraph 82 revised April 1952 Standard for Edison Base Lampholders

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ıbject 719 March 18, 1952

):   Holders of the Standard for Nonmetallic-Sheathed Cable.

ıbject: Dimensional Requirements for Nonmetallic-Sheathed Cable.

The Laboratories' bulletin of February 11, 1949 ɔntained a proposal that spacings between copper conductors ı a cable employing either Types R or RH wires should be ɜrmitted to be as small as the spacings specified for Type T ires in the table in paragraph 41, provided the cable con- ;ruction is such that the resistance of the product to ɜchanical abuse is shown by a special investigation to be ɔt less than that of the conventional construction where the ɔ ngs are those specified for Types R and RH. The bulletin f arch 7, 1949 indicated that there had been no adverse ɔmments in connection with the earlier bulletin, and stated ıat the proposed modification of the spacing requirement was ıan in effect.

Although the bulletin did not mention specifically ıe item of sheath diameter, this was involved by implication; ıd a similar modification of the values in the table in para- ɾaph 32 is in order.

To bring the two tables in question up to date with ɜspect to the foregoing, each has been revised by the addition f a single-asterisk note as shown in the accompanying sticker ıserts. At the same time, paragraph 38 has been revised by a light change in the heading over the second and third columns.

Please separate these stickers as indicated by the ɜrforated tear-off lines, and insert them in their proper laces in your copy of the Standard. Note that these three ıdividual stickers replace a single sticker dated July, 1950, ıich carried the text of an earlier revision of the three ɜbles in question.

UNDERWRITERS' LABORATORIES, INC.

H. B. Smith

H. B. SMITH
Standards Engineer

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FOR

RADIO AND TELEVISION LIGHTNING ARRESTERS

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